

PROJECT OVERSIGHT REPORT

Offender Management Network Information (OMNI)
Department of Corrections

Report as of Date:
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Description: The Offender Management Network Information (OMNI) project, formerly known as the Offender-Based Tracking System (OBTS) replacement project, will replace and improve the legacy systems and applications that the Department of Corrections (DOC) currently uses to monitor and track convicted offenders for the state of Washington. DOC has contracted with IBM Global Services to design four build-and-implement phases for OMNI. Each phase will provide measurable benefits.

The phases are:

- Phase I - Architecture definition, Offender Accountability Plan (OAP), and data warehouse implementation, training, overall application design, and Records and Chronological Entries (Chronos) software detailed requirements design.
- Phase II – Chronos, Records, Sentence Structure and Time Accounting, and Classification (change).
- Phase III – Release (change), Incident Reporting, Disciplinary, Grievance, Resource and Program Management, CCO Workload Assignments, Case Management, End of Sentence Review, Offender Groups, Presentence Investigation, Legal Financial Obligations, Movement/Capacity Management, Inmate Property, Interstate Compact/Boarder Administration, Offender Schedule, and Detainers and Warrants.
- Phase IV – Sex Offender Treatment, Mental Health Records, Chemical Dependency, Community Service, Indeterminate Sentence Review Board, Case File Audit, Inmate Trust Account/Inmate Store/Inmate Gratuity Calculation, Cost of Supervision Billing, Medical and Dental Records, Public Access, and Victim/Witness Notification.

Technology: The project employs an innovative use of a Virtual Private Network (VPN) to allow Olympia-based DOC staff to view and populate Lotus Notes project databases. These databases are being developed by the IBM Global Services Houston-based development team (the Houston team, using IBM proprietary development methodologies, has achieved the Software Engineering Institute Level 3 certification on the Capability Maturity Model). Using IBM Websphere software, the OMNI application will be delivered to DOC desktop clients via JAVA applets consistent with the ISB principle of deploying server side logic. The system employs the S/390 mainframe platform as an enterprise server and the DB2 database management system for databases and data warehouses. The Brio product is also employed for data warehouse development.

Life Cycle Stage: Phase II Design

Budget: The budget is \$12.5 million for Phase II. Of this amount, \$9.5 million is allocated to the IBM Global Services contract. As of April 30, 2002, the budgeted expenses were \$3,178,727. Actual expenses were \$1,210,746. The variance is due to modifications to delivery schedule after budget was developed.

Schedule:

Phase II Milestones	<u>Schedule</u>	<u>Status</u>
1. Statement of Work signed	February 2002	Complete
2. Architecture documents approved	March 2002	Complete
3. Data model approved	June 2002	In Progress
4. Grouped databases converted to work with DL/2	July 2002	
5. DL/2 deployed	August 2002	
6. Risk Management Indicator (RMI) application deployed	August 2002	
7. Level of Severity Indicator (LSI) application deployed	November 2002	
8. Final test plan approved	May 2003	
9. Acceptance test conducted	June 2003	
10. System test executed	June 2003	

Status: On February 28, 2002 DOC signed the Phase II Statement of Work (SOW) with IBM Global Services. The SOW plan calls for early completion of the RMI and LSI Classification applications.

IBM continues to support the Offender Accountability Plan (OAP) application that was developed in Phase I. OAP Release 1.7 is scheduled for implementation on June 11. Release 1.7 incorporates all but one of the requirements and changes for Release 1.6 that had to be backed out in May. That one problematic change will be redesigned and incorporated at a later date. DOC and IBM agreed on a subsequent release schedule of every two months for calendar year 2002. IBM and DOC development staff also completed stress testing and implementation of software upgrades including Release 3.5 of the Websphere web development software and the zOS mainframe operating system.

IBM conducted several Phase II reviews including the External Quality Assurance Plan, the Software Development Plan, the Configuration and Data Management Plan and the Risk Management Plan. DIS staff participated in the reviews. IBM also baselined several documents including the RMI/LSI Requirements and Screens, the IBM Software Quality Assurance Plan, the Common Services Class Description and Model, and the Common Services Knowledge Base Use Case. As part of the risk mitigation plan for the employment of new software tools, IBM conducted a "proof of concept" of the DL/2 database conversion tool. The "proof of concept" successfully demonstrated the tool can convert DOC IMS databases into DB2 databases, so the project team formally decided to employ the tool.

Recommendation: DIS recommends that DOC and IBM complete the integrated project plan for Phase II, and complete the update of project management processes and plans for Phase II, including but not limited to: change management, risk management, and communications.